

1 **ABSTRACT**

2 Various methods and arrangements are provided for transmitting adaptive
3 multimedia content over networks that provide differential services. By way of
4 example, one method includes compressing video objects, generating at least one
5 corresponding elementary stream containing the compressed video objects,
6 classifying information within each elementary stream based on importance, and
7 assembling the classified information into packets associated with different classes
8 of network packets. In classifying the information within each elementary stream
9 based on importance, different priority levels can be assigned to shape, motion,
10 and texture information. Methods and arrangements are also provided for use with
11 multimedia content information that includes audio information, image
12 information, textual information, and the like.
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